PM 11/15

State of Wisconsin Department of Natural Resources dnr.wi.gov

Facility Identification Air Pollution Control Permit Application Form 4530-100 (R 1/11)

Notice: Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this application form. You are required to submit two copies in accordance with s. NR 407.05(2), Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Facility Information			Control of the State		a de la companione de l	to and the same		
Facility Information Facility Name		* " ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '						ty ID Number (FID)
CLCM St. Francis (was MASD / Kitzinger)			3412			, ,		58070
Street Address (where pollution sources are/will be	located)		City	○ Tow	n O	Village	Count	ty
3950 South Pennsylvania Avenue			of Saint	Francis	_		Milw	aukee
Primary Operating Activity (e.g., lead-acid battery mar or sulfite paper mill)	nufacturer	ls the facil designate	ity located d as "nona	ittainment"	?	the none	dicate attainm	the pollutant(s) for ent designation
Reconditioning steel/plastic drums and totes		Yes	○ No	(refer to booklet)	instruction	Ozone		
Applicant Information Applicant Name (provide full business or individual)	e nama)	r i gelde, a	Marie Maria (Marian)	garantan ya k	~ CB#9-9	Kangara daya e		6 - 8 - 2 5 T - 1 - 1
CLCM St. Francis (was Mid-America Steel D	•	mnany In	o / Kitzir	rarl				
Mailing Address	rum Co	City	C. / IXILZII.	iger)		18	State	ZIP Code
3950 South Pennsylvania Avenue		1 1	Francis			-	WI	53235
Parent Corporation or Owner Name (if not wholly or	wned by	1	Trancis				***	
Container Life Cycle Management (CLCM)								
Mailing Address	City	;			State	ZIP Cod	le	Country (if not U.S.)
3950 South Pennsylvania Avenue	Sai	nt Francis			WI	5323	35	
Responsible Official Name-person legally responsib	le for the	operation o	f the permit	ted air poll	ution sou	rces [see N	R 400.02	2(80e), Wis. Adm. Code)
Mark Furgason		RECEIVE	D	Ä.				
Title					Phone N	lumber		
St. Francis Site Manager		W 122	በተፍ			(414) 483-	-8800
Permit Contact Person – to be contacted for addition	nal infor	mation con	derhing air	pollution s	ources			
Mark Furgason	AIR	1ANAGEI	VERIT-					**************************************
Title		1. 2.63.6001 Cm	.tmi/i		Phone N			
St. Francis Site Manager						(414) 483-	-8800
Permit Information Instructions: If applying for a construction permit (incluan operation permit, an operation permit renewal, or an wide operation permit. Select 'Operation Permit Renewal project. Otherwise, select 'Operation Permit Revision' se	operation	nermit revis	sion Select	'Operation	Permit' if	VOIL CUrrer	ithy do r	not have a facility.
Permit Type:						Expedited	review	v fee:
Onstruction Permit					1	f expedite	d reviev	w requested and
Anticipated construction start date: mm/dd/yy Initial application fee attached (\$7,500)	Anticipat	ed operatio	n start dat	e: mm/de	F	periods, the application	e const	following time truction permit u will be billed will ge for this additional
Construction Permit Exemption and Authority –	List app	ropriate Co	de citation	i.				receipt of completed
Construction Permit Revision – List permit to be		•			(ted und	ra review not der ch. NR 405 or
Operation Permit Revision - List permit to be re	vised:							receipt of completed
 Administrative Revision 					() applica	ition for	r a review conducted
Minor Revision (must be accompanied)	by Form	<u>4530-137)</u>		-	l	under	on. NK	405 or 408 - \$7,500
Significant Revision	O Part	70 Source) applica	ition for	receipt of completed r a review conducted 405 or 408 - \$4,000
Operation Permit – select type:	Synt	hetic Minor	, Non - Pa	rt 70 Sourc	e ls			nation attached?
Operation Permit Renewal – select type:	○ Non	- Part 70 S	ource			(•) Yes	○ No
List permit to be renewed:					Ai			completed form
O Elective Operation Permit (if requesting an oper	ation per	mit that is	otherwise r	not require				ormation included?
Operation Permit Exemption and Authority - Lis	st approp	riate Code	citation:			(•) Yes	○ No

FACILITY PLOT PLAN AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-101 12-99

Use of this form is required by the Department for any air pollution control permit application filed pursuant to s. 144.392 or 144.3925, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

In order for a comprehensive air quality analysis to be accomplished, a facility plot plan MUST be included with the permit application. If the application is for an initial operation permit, submit the elements under #2 below. If the application is for a renewal, answer #1 below first.

- 1. Have there been changes to the facility plot plan since the previous operation permit application was submitted?
 - No. The plot plan submitted with the original application can be used for the renewal.
 - Yes. An up-to-date plot plan is attached.
- 2. If there have been changes to the facility plot plan since the last operation permit application submittal, RESUBMIT an up-to-date plot plan which must include the following or the permit application will be deemed incomplete:

FOR DEPARTMENT USE ONLY

COMPLETE INCOMPLETE NOT APPLICABLE	
	 A building layout (blueprint, plan view) including all buildings occupied or located on the site of the facility. The maximum height of each building (excluding stack height). The location and numerical designation of each stack. Please ensure these designations correspond to the appropriate stacks listed on the other permit forms in this application. The location of fenced property lines (if any). Identify direction "North" on all submittals. All drawings shall be to scale and shall have the scale graphically depicted. An additional regional map depicting the facility location in relation to the surrounding vicinity (roads or other features) shall be included.
Are there any outdoor storage piles on the facility If so, what material does the pile(s) consist of?	site? ☐ Yes ☑ No
Are there any dirt roads or unpaved parking lots o	n the facility site? ☑ Yes □ No

SOURCE AND SITE DESCRIPTIONS
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-102 12-99 Information attached? N (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to s. 144.392 or 144.3925, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1. Briefly describe the proposed project or existing Unit(s) to be permitted. Attach supplemental forms as needed.

This application is for a number of changes at the Pennsylvania Avenue site, and removal of all equipment from the Norwich Avenue location. For the proposed changes, see form 4530-102A.

For Renewal Applications	For R	enewal	App	lications	:
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- 1. Were any new or modified emissions units installed/modified at the facility since the last operation permit issuance date?
 - ☑ No. Proceed to form 4530-102A.
 - ☐ Yes. Answer the following questions:
- 2. Briefly describe any new/modified emissions units installed at the facility since the last operation permit issuance date and include the following information. Attach supplemental forms as needed.
 - a. List the Department issued construction and/or operation permit number as applicable (identifying which units were covered by which permit if multiple permits issued).
 - i. If operation permit application forms were submitted for the new emission unit(s) covered by the construction permit mentioned above, reference the date of that application.
 - ii. For Part 70 Sources Only: If no operation permit application forms were submitted for the new emissions unit(s) covered by the construction permit mentioned above, complete the appropriate forms 4530-118 through 4530-125.
 - b. Include the Department issued construction permit exemption number, if one was assigned, or reference the date of the letter of the exemption.
- 2. Site Description

The Pennslyvina Avenue St. Francis facility's primary business is reconditioning used (empty) metal industrial drums. The containers are inspected cleaned, refurbished, leak-tested, painted, and resold.

SOURCE DESCRIPTION - SUPPLEMENTAL
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-102A 12-99 Information attached? N (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to s. 144.392 or 144.3925, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

List all <u>significant</u> existing or proposed air pollution units, operations, and activities at the facility. A short narrative of the
inventory of air pollution emissions unit (e.g., boiler, printing line, etc.) followed by equipment specifications will suffice. If the
facility consists of several individual emission units, present this information in an outline format. (See instruction booklet for
an example Unit description.)

Pennsylvania Avenue (Only – No Norwich Avenue Operations)

The following equipment/operations was/will be added.

- (a) Natural gas fired Closed Drum Drying Oven (P50C)[relocated from Norwich Avenue site]
- (b) Auto Exterior Drum Spray Booth (P32C) [relocated from Norwich Avenue site]
- (c) Natural gas fired Curing Oven (P32B) [relocated from Norwich Avenue site]
- (d) Caustic Wet Scrubber (C10) and associated stack S98 [replaces wet scrubber C21 and stack S21]
- (e) Acid Wet Scrubber (C70)
- (f) Bung Wash (P11)
- (g) Natural gas-fired 2.0 MMBtu/hr Water Heater (P12) and Stack S92 [exhausts natural gas combustion products]
- (h) Natural gas-fired 2.0 MMBtu/hr Water Heater (P13) and Stack S93 [exhausts natural gas combustion products]
- (i) Natural gas-fired 3.6 MMBtu/hr Caustic Heater (P14) and Stack S94 [exhausts natural gas combustion products]
- (j) Natural gas-fired 2.0 MMBtu/hr Caustic Heater and 2,000-gallon tank (P15) and Stack S95 [exhausts natural gas combustion products]
- (k) Label Remover High Pressure Washer (P16)
- (l) Delabeling (P71) [steel drums only]
- (m) Exterior Wash/Soaker (P72) [steel drums only]
- (n) Exterior Rinse (P73) [steel drums only]
- (o) Internal Double Split Washer (P74) [steel drums only]
- (p) Acidizer (P75)
- (q) Internal Drum Washer (P42) replaces existing Internal Drum Washer (P42)

The following operations has/will have updated venting configurations.

- (i) Interior Caustic Preflush (P80A) vents to scrubber C10
- (ii) Exterior Washer/Soaker (P80B) vents to scrubber C10
- (iii) Exterior Rinse (P80C) vents to scrubber C10
- (iv) Natural gas-fired 0.6 MMBtu/hr Drying Oven Flamer (P41) vents to a new stack S96

SOURCE DESCRIPTION - SUPPLEMENTAL AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-102A 12-99 Information attached? N(y/n)

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1. List all <u>significant</u> existing or proposed air pollution units, operations, and activities at the facility. A short narrative of the inventory of air pollution emissions unit (e.g., boiler, printing line, etc.) followed by equipment specifications will suffice. If the facility consists of several individual emission units, present this information in an outline format. (See instruction booklet for an example Unit description.)

(continued)

The following emission units/operations will no longer be at Pennsylvania Avenue site.

- (A) 2.5 MMBtu/hr natural gas-fired Hot Caustic Heater (P90A) and stack S67
- (B) 2.5 MMBtu/hr natural gas-fired Hot Caustic Heater (P90B) and stack S68
- (C) 2.5 MMBtu/hr natural gas-fired Hot Water Heater (P90C) and stack S69
- (D) 1.75 MMBtu/hr natural gas-fired Hot Water Heater (P42A) and stack S64
- (E) 1.75 MMBtu/hr natural gas-fired Hot Water Heater (P42B) and stack S63
- (F) 1.75 MMBtu/hr Hot Caustic Heater portion of P80A and stack S60
- (G) 1.75 MMBtu/hr Hot Caustic Heater portion of P80B and stack S61

For Renewal Applications:

N/A

- 1. If there were any new or modified emissions units installed/modified at the facility since the last operation permit issuance date:
 - a. If any of these new/modified units were exempt from construction permit requirements, but
 - b. If any of the new/modified units are insignificant emissions units list them on form 4530-102B.
 - c. If any of the new/modified emissions units do not fit any of the above categories, fill out ... as follows:
 - i. For Part 70 Sources: Fill out the appropriate forms 4530-103 through 4530-133; OR
 - ii. For Synthetic Minor Non Part-70 Sources and Non-Part 70 Sources: Fill out the appropriate forms 4530-103 through 4530-117 and 4530-126 through 4530-129.

SOURCE DESCRIPTION - SUPPLEMENTAL AIR POLLUTION CONTROL PERMIT APPLICATION The state of the stat

Form 4530-102B 12-99 Information attached? N (y/n)

Use of this form is required by the Department for any air pollution control permit application filed pursuant to s. 144.392 or 144.3925, Wis Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

1. Mark all <u>insignificant</u> existing or proposed air pollution units, operation provide a short narrative of the inventory of air pollution emission specifications. If the facility consists of several individual emission Renewal Applications, identify those that are new since the latexample Unit description.)	ns unit (e.g., boiler, printing line, etc.) followed by equipment on units, present this information in an outline format. For
Maintenance of Grounds, Equipment, and Buildings (lawn care	e, painting, etc.)
☐ Boiler, Turbine, and HVAC System Maintenance	
☑ Pollution Control Equipment Maintenance	
☑ Internal Combustion Engines Used for Warehousing and Mate	erial Transport
☐ Fire Control Equipment	
☑ Janitorial Activities	
☑ Office Activities	
☑ Convenience Water Heating	
☑ Convenience Space Heating (< 5 million BTU/hr Burning Gas	, Liquid, or Wood)
☐ Fuel Oil Storage Tanks (< 10,000 gal.)	
☐ Stockpiled Contaminated Soils	
☐ Demineralization and Oxygen Scavenging of Water for Boiler	s
☐ Purging of Natural Gas Lines	
☑ Sanitary Sewer and Plumbing Venting	
Fiber Drum Cleaning / Drum Cleaning	Other Non-Emissions Processes Venting to C10 Settling Tank 1, Settling Tank 2, Oil Water
▼ Vacuum – Closed Drum Blaster	Separator, Used Oil Tank, Oil Treatment Tank, Poly Auto Purge 1, Poly Auto Purge 2,
■ Rotary Barrel Washing Operation	Water Treatment System
Barrel Inside Air Purge	
Process P76: Shotblaster (Steel) Control C76: Baghouse	

exhausting through this stack.

STACK IDENTIFICATION AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-103 11-93 Information attached? N (y/n) SEE INSTRUCTIONS ON REVERSE SIDE 2. Facility identification number: 3. Stack identification number: 1. Facility name: 341158070 See Attached Table 17 **CLCM St. Francis** 4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109 4530-104 4530-106 4530-107 4530-108 4530-109 5. Identify this stack on the plot plan required on Form 4530-101 6. Indicate by checking: ☐ This stack serves to identify fugitive emissions. ☐ This stack has an actual exhaust point. If this stack has an actual exhaust point, then provide the following stack parameters 7. Discharge height above ground level: 8. Inside dimensions at outlet (check one and complete): ☐ Circular (feet) ☐ rectangular length (feet) width (feet) 9. Exhaust flow rate: Normal (ACFM) Maximum (ACFM) 10. (EF) Exhaust gas temperature (normal): 11. Exhaust gas moisture content: Normal volume percent Maximum volume percent 12. Exhaust gas discharge direction: □ Up □ Down ☐ Horizontal Is this stack equipped with a rainhat or any obstruction to the free flow of the ☐ Yes □ No 13. exhaust gases from the stack?

Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit *****

PAINTING AND COATING OPERATIONS AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-108 11-93

Information attached? Y (y/n)

SEE INSTRUCTIONS ON REV	ERSE SI	DE									e	
1. Facility name: CLCM St. F	rancis			2. Facility id	entif	icatio	n num	ber: 3	34115	8070		
3. Stack identification number:	S12C th	rough C320	\mathbf{C}	4. Process m	ımbe	r: P3	2C					
4a. Unit description: Auto E	xterior I	Drum Spray	Booth '								* * · · · · · · · · · · · · · · · · · ·	
5. Indicate the control technolog		☐ Unco		☑ Controlled								
If the process is controlled	l, enter th				~ ~	•						
4530-110 <u>C32C</u>		4530-11		4530-112	-			3				
4530-114		4530-115		4530-116			30-11		***************************************			
6. Application technique and tra	'								~			The state of the s
7. Date of construction or last m	odificati			rich Ave, Lo vania Ave, I				after	fire			
8. Normal operating schedule:		<u>16</u> hrs/	day	_5_days/w	k		260	day	s/yr			
9. Oven curing (complete if app Number of ovens <u>N/A</u> Total Maximum Energy in	•	ach oven:	Specif	y oven fuels				in 111-in Anathinosa		www.www.		
10. Describe all of the coating	gs' and so	lvents' comp	osition (as	applied) that	are u	sed by	this	unit.	·		·	·
	ct T cg	Maxim	um usage	Normal usage		lids %		ос %		ater %	Coating or VOC Density	Pounds VOC/ gallon less H ₂ O
a	b, с.		d.	i de la companya de l		f.	†	g.	 	h.	<u>i.</u>	
		gal/hr	gal/yr	gal/yr	W	V	W	V	W	V	lbs/gal	j
See attached Table 18 for a	summa	ry of typica	al coatings	with VOC c	onte	nts						
Paints	3	11.60	38,400	11,500			T					
			1									
							_			<u> </u>		
Total coatings	<u>_</u>					L	L	11	1	<u></u>	1	1
List the thinning solvents used	d with the	e coatings id	lentified abo	We	L							
Dist the mining servents used	T WILL CIT	Courings id		1			T	1	T			
***************************************							 	t				
Clean-up solvents Acetone		2.85			0		0		0		0	
Clean-up solvents												
Other (specify)												
***** For this emissions un DESCRIPTION OF and its attachment(s) ***** Please complete the A	METHO to this f	DS USED Form. This is	OR DETEI s not a requi	RMINING CO	OMP 1-Par	LIAN t 70 s	CE. Z	Attach	Form	4530	-118	

Coating categories (ct. cg. - column b. above) should be entered as follows: 1 - for air dried coatings; 2 - for clear coatings; 3 - for cured coatings; 4 - for extreme performance coatings; 5 - for other (specify)

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

1. Facility name: CLCM		2. Facility ident	ification numbe	r: 341158070		
3. Stack identification number: S98 through C10 4. Process number: P11, P12, P13, P14, P15, P16, P4 P42, P72, P73, P74, P80A (per one of two unit P80C, P95						
4a. Unit description: Pr	rocesses venting to new Wet Caustic Scr	ubber				
If the process is con 4530-110	nnology status. Uncontrolled Controlled, enter the control device number(s) from 4530-111 4530-115 4530-116 X	4530-113 _				
6. Source Classification C	ode (SCC):					
7. Date of construction or		**************************************	resistancia (resea			
8. Normal operating sched		days/yr				
	please attach a flow diagram of the process). Mew Wet Caustic Scrubber			Attac Y		
10. List the types and ar	nounts of raw materials used in this process:			Nanasana sa Jermana		
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units	
Caustic (NaOH) (all units combined)	Stored in Drums	215,000	lb/yr	123.08 512,000	lb/hr lb/yr	
	nounts of finished products:	1.		<u> </u>		
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units	
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr	
12. Process fuel usage:					Million and account of the sout above the southern distinct (Million discussed).	
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units	
, _	re emissions associated with this process, such conveyors, etc.: N/A	ch as outdoor stor	age piles,	Attac N		
DESCRIPTION	ns unit, identify the method(s) of compliance OF METHODS USED FOR DETERMININ nt(s) to this form. This is not a requirement	NG COMPLIANO	CE. Attach For		****	
***** Please complete the	ne Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 f	or this Unit. **	***	

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS OF	N REVERSE SIDE						
1. Facility name: CLC	1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070						
3. Stack identification nu	mber: S92	4. Process num	ber: P12				
4a. Unit description: \	Water Heater 4 (combustion emissions)						
If the process is con 4530-110 4530-114	ntrolled, enter the control device number(s) fr 4530-111 4530-112 4530-115 4530-116	4530-113 _					
6. Source Classification (· · · · · · · · · · · · · · · · · · ·					
	r last modification: 2015 edule: _16_ hrs/day _5_ days/wk _260_ c	daya/w					
	please attach a flow diagram of the process).	days/yr		I .	ched? es		
10. List the types and a	mounts of raw materials used in this process:			***			
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units		
11. List the types and a	amounts of finished products:						
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units		
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr		
12. Process fuel usage: N	 Natural Gas						
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units		
Natural Gas	2.0	8.32	mmft³/yr	17.52	mmft³/yr		
	ive emissions associated with this process, such conveyors, etc.: N/A	ch as outdoor sto	rage piles,	Attac N	ched? /A		
DESCRIPTION	ons unit, identify the method(s) of compliance N OF METHODS USED FOR DETERMINING ent(s) to this form. This is not a requirement	NG COMPLIANO	CE. Attach For		****		
	the Air Pollution Control Permit Application			or this Unit. **	***		

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	REVERSE SIDE				
1. Facility name: CLC	M St. Francis	2. Facility ident	ification numbe	er: 341158070	i
3. Stack identification nu	mber: S93	4. Process num	ber: P13		
4a. Unit description: C	oil/Water Heater 3 (combustion emission	s)			
If the process is cor	hnology status. Uncontrolled C chrolled, enter the control device number(s) f 4530-111 4530-112 4530-115 4530-116				
6. Source Classification C	Code (SCC):				
7. Date of construction or	last modification; 2015				
8. Normal operating sche	dule: <u>16</u> hrs/day <u>5</u> days/wk <u>260</u>	days/yr			
	please attach a flow diagram of the process). combustion emissions)	-		1	ched? es
10. List the types and a	mounts of raw materials used in this process	3.			
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
11. List the types and a	mounts of finished products:				
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr
12. Process fuel usage: N	l Iatural Gas				*************************************
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Natural Gas	2.0	8.32	mmft³/yr	17.52	mmft³/yr
•	ve emissions associated with this process, sun conveyors, etc.: N/A	ach as outdoor sto	rage piles,		ched? //A
DESCRIPTION	ns unit, identify the method(s) of complianc I OF METHODS USED FOR DETERMINI ent(s) to this form. This is not a requirement	NG COMPLIAN	CE. Attach For	orm 4530-118, m 4530-118	****
	he Air Pollution Control Permit Application			for this Unit. **	***

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	REVERSE SIDE						
1. Facility name: CLC	1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070						
3. Stack identification num	nber; S94	4. Process num	ber: P14				
4a. Unit description: C	austic Heater 2 (combustion emissions)						
If the process is con 4530-110 4530-114	trolled, enter the control device number(s) 1 4530-111 4530-112 4530-115 4530-116	4530-113 _		PERMIT			
6. Source Classification C		chek wekalahininkesikhan samurik a	TI TO THE THE THE PARTY OF THE	SEPARATE STATE OF THE SECOND STATE OF THE SECO			
7. Date of construction or	······································	dormlen	, , , , retiretone				
	dule: 16 hrs/day 5 days/wk 260 please attach a flow diagram of the process) inbustion emissions)			1	ched? es		
10. List the types and ar	mounts of raw materials used in this process	\$:		English and the State of the St			
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units		
11. List the types and ar	mounts of finished products:						
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units		
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr		
12. Process fuel usage: N	atural Gas						
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units		
Natural Gas	3.6	14.98	mmft³/yr	31.54	mmft³/yr		
	ve emissions associated with this process, sun conveyors, etc.: N/A	ch as outdoor sto	rage piles,	1	ched? /A		
DESCRIPTION	ns unit, identify the method(s) of complianc OF METHODS USED FOR DETERMINI nt(s) to this form. This is not a requirement	NG COMPLIAN	CE. Attach For		****		
**** Please complete tl	ne Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 f	or this Unit. **	***		

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	NREVERSE SIDE						
1. Facility name: CLC	1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070						
3. Stack identification nu	mber: S95	4. Process num	ber: P15				
4a. Unit description: C	Caustic Heater 1 and 2,000-Gallon Tank	(combustion em	issions)				
If the process is cor 4530-110	ntrolled, enter the control device number(s) f 4530-111 4530-112 4530-115 4530-116 Code (SCC):	Controlled from the appropria					
8. Normal operating sche	dule: 16 hrs/day 5 days/wk 260	days/yr	VI.VI.VI.VI.VI.VI.VI.VI.VI.VI.VI.VI.VI.V		14 Orturmil		
	please attach a flow diagram of the process) 2,000-Gallon Tank (combustion emissi			1	ched? es		
10. List the types and a	mounts of raw materials used in this process		2122				
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units		
	mounts of finished products:						
Масепа	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units		
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr		
12. Process fuel usage: N	l Vatural Gas						
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units		
Natural Gas	2.0	8.32	mmft³/yr	17.52	mmft³/yr		
	 ve emissions associated with this process, sun conveyors, etc.: N/A	ich as outdoor sto	rage piles,	į.	ched? /A		
DESCRIPTION	ns unit, identify the method(s) of complianc OF METHODS USED FOR DETERMINI ent(s) to this form. This is not a requirement	NG COMPLIAN	CE. Attach For		****		
**** Please complete t	he Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 t	or this Unit. **	***		

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	REVERSE SIDE							
1. Facility name: CLC	M St. Francis	2. Facility identification number: 341158070						
3. Stack identification nur	nber: S96	4. Process num1	per: P41					
4a. Unit description: D	rying Oven/Flamer (combustion emission	ons)						
If the process is con 4530-110 4530-114	trolled, enter the control device number(s) fi 4530-111 4530-112 4530-115 4530-116	ontrolled rom the appropria 4530-113 _ 4530-117 _						
6. Source Classification C								
7. Date of construction or 8. Normal operating sched	last modification: Installed: July 1995, Mule: 16 hrs/day 5 days/wk 260							
9. Describe this process (p	please attach a flow diagram of the process). (combustion emissions)			1	ched? es			
10. List the types and ar	nounts of raw materials used in this process	•						
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units			
11. List the types and a	mounts of finished products: Storage/material handling process	Average	Units	Maximum	Units			
Machai	Storage/material naturing process	amount produced	Ollis	amount produced	Oms			
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr			
12. Process fuel usage: N	atural Gas							
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units			
Natural Gas	0.6	2.50	mmft³/yr	5.26	mmft³/yr			
	ve emissions associated with this process, sun conveyors, etc.: N/A	ch as outdoor stor	rage piles,	1	ched? [/A			
DESCRIPTION	ns unit, identify the method(s) of compliance OF METHODS USED FOR DETERMINE nt(s) to this form. This is not a requirement	NG COMPLIANO	CE. Attach For		****			
***** Please complete t	ne Air Pollution Control Permit Application	Forms 4530-126	and 4530-128	for this Unit. *	***			

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	REVERSE SIDE					
1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070						
3. Stack identification nur	nber: S62	4. Process numl	oer: P42C			
4a. Unit description: H	ot Water Heater					
If the process is con 4530-110	trolled, enter the control device number(s) f	4530-113 _				
6. Source Classification C	ode (SCC):				· · · · · · · · · · · · · · · · · · ·	
	last modification: July 1995			- Commercial Commercia		
8. Normal operating sched	lule: <u>16</u> hrs/day <u>5</u> days/wk <u>260</u>	days/yr				
9. Describe this process (p Hot Water Heater	blease attach a flow diagram of the process).				ched? es	
10. List the types and ar	nounts of raw materials used in this process	•				
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units	
,					Power Marketta Admiliary	
11. List the types and ar	nounts of finished products:					
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units	
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr	
12. Process fuel usage: N	atural Gas				***************************************	
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units	
Natural Gas	1.75	7.28	mmft³/yr	15.33	mmft³/yr	
	re emissions associated with this process, sun conveyors, etc.: N/A	ch as outdoor stor	rage piles,	i .	ched? /A	
***** For this emission DESCRIPTION	ns unit, identify the method(s) of compliance OF METHODS USED FOR DETERMINITION to this form. This is not a requirement	NG COMPLIANO	CE. Attach Form	orm 4530-118,		
***** Please complete th	ne Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 fo	or this Unit. **	***	

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIO	ONS ON REVERSE SIDE			intornation an	
1. Facility name:	CLCM St. Francis	2. Facility iden	tification numb	er: 341158070	
3. Stack identifica	tion number: S45 (Fugitive)	4. Process num	ber: P45		
4a. Unit descrip	tion: Drum Wipe Cleaning			***************************************	
If the proces	ss is controlled, enter the control device number(s) fr	4530-113	, -		
	cation Code (SCC);				
7. Date of constru	ction or last modification: July 1995				
8. Normal operation	ng schedule: <u>16</u> hrs/day <u>5</u> days/wk <u>260</u> d	days/yr			
-	ocess (please attach a flow diagram of the process). lvent cleaned prior to shipping			Attacl Υε	
The state of the s	es and amounts of raw materials used in this process:				The second secon
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
Solvent (non-				7,800	gal/yr
methylene chloride)	Stored in drums	5,200	gal/yr	3.75	gal/hr
11. List the type	es and amounts of finished products:	,			
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr
12. Process fuel u	sage: N/A				
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
None					
	y fugitive emissions associated with this process, suds, open conveyors, etc.: N/A	ch as outdoor sto	rage piles,	Attac N/	
DESCR	emissions unit, identify the method(s) of compliance IPTION OF METHODS USED FOR DETERMINITY ttachment(s) to this form. This is not a requirement	NG COMPLIAN	CE. Attach For		****
**** Please cor	mplete the Air Pollution Control Permit Application	Forms 4530-126	and 4530-128	for this Unit. **	***

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Information attached? N (y/n) Form 4530-109 11-93 SEE INSTRUCTIONS ON REVERSE SIDE 2. Facility identification number: 341158070 1. Facility name: CLCM St. Francis 3. Stack identification number: S91 (Fugitive) 4. Process number: P71 4a. Unit description: De-Labeling 5. Indicate the control technology status. ☑ Uncontrolled ☐ Controlled If the process is controlled, enter the control device number(s) from the appropriate form(s): 4530-110 4530-111 4530-112 4530-113 4530-114 4530-115 4530-116 4530-117 6. Source Classification Code (SCC): 7. Date of construction or last modification: 2015 8. Normal operating schedule: <u>16</u> hrs/day <u>5</u> days/wk <u>260</u> days/yr 9. Describe this process (please attach a flow diagram of the process). Attached? Yes De-Labeling List the types and amounts of raw materials used in this process: Storage/material handling process Maximum Units Material Average Units usage usage Aceteone 7,800 gal/yr Stored in drums 5,200 gal/yr 3.75 gal/hr 11. List the types and amounts of finished products: Material Storage/material handling process Average Units Maximum Units amount amount produced produced Transported via conveyor 300,000 drums/yr 300 drums/hr Drums 12. Process fuel usage: N/A Type of fuel Maximum heat input to process Average Units Maximum Units million BTU/hr. usage usage None 13. Describe any fugitive emissions associated with this process, such as outdoor storage piles, Attached? unpaved roads, open conveyors, etc.: N/A N/A

For this emissions unit, identify the method(s) of compliance demonstration by completing Form 4530-118, *****

DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118

***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****

and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

tification numbers. P75 ate form(s):	er: 341158070	
ate form(s):		
		
* ************************************		***************************************
	1	ched?
Units	Maximum usage	Units
	14.90	lb/hr
lb/mo	62,000	lb/yr
Units	Maximum amount produced	Units
drums/yr	300	drums/hr
Units	Maximum usage	Units
rage piles,	I .	ched? /A
CE. Attach For	rm 4530-118	
t	by completing F VCE. Attach Forsources.	orage piles, by completing Form 4530-118, NCE. Attach Form 4530-118

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON I	KEVERSE SIDE		····		·····	
1. Facility name: CLCM	I St. Francis	2. Facility identification number: 341158070				
3. Stack identification num	ber: S53	4. Process number: P50C				
4a. Unit description: Clo	osed Drum Drying Oven					
If the process is contract 4530-110	nology status. ☑ Uncontrolled ☐ C rolled, enter the control device number(s) f	from the appropriation 4530-113 _				
6. Source Classification Co	de (SCC):					
Ave. Location: 201			2005 after fire	, Move to Per	nsylvania	
	ıle: <u>16</u> hrs/day <u>5</u> days/wk <u>260</u>					
9. Describe this process (pl Closed Drum Drying (ease attach a flow diagram of the process). Oven	***************************************			ched? es	
10. List the types and am	ounts of raw materials used in this process	14				
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units	
11. List the types and am	ounts of finished products:					
Material	Storage/material handling process	Average amount produced	Units	Maximum amount produced	Units	
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr	
12. Process fuel usage: Na	tural Gas					
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units	
Natural Gas	0.6	2,50	mmft³/yr	5.26	mmft³/yr	
•	e emissions associated with this process, su conveyors, etc.: N/A	ich as outdoor sto	rage piles,	i	ched? /A	
DESCRIPTION (s unit, identify the method(s) of complianc OF METHODS USED FOR DETERMINI t(s) to this form. This is not a requirement	NG COMPLIAN	CE. Attach Forr		****	
**** Please complete the	e Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 fo	or this Unit. **	***	

MISCELLANEOUS PROCESSES AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-109 11-93

SEE INSTRUCTIONS ON	REVERSE SIDE				\
1. Facility name: CLCN	M St. Francis	2. Facility iden	tification numbe	er: 341158070)
3. Stack identification nun	nber: S12B	4. Process num	ber: P32B		
4a. Unit description: C	uring Oven				
If the process is con 4530-110 4530-114	trolled, enter the control device number(s) fr	4530-113 _			
6. Source Classification C					
Ave. Location: 20			2005 after fire	e, Move to Per	nnsylvania ————
	lule: 16 hrs/day 5 days/wk 260 d	lays/yr		1	1 10
9. Describe this process (p Curing Oven	blease attach a flow diagram of the process).			j .	ched? 'es
	nounts of raw materials used in this process:				
Material	Storage/material handling process	Average usage	Units	Maximum usage	Units
11. List the types and an	nounts of finished products:				
Material	Storage/material handling process	Average	Units	Maximum	Units
Material	Storage material handing process	amount produced	OIILS	amount produced	Omts
Drums	Transported via conveyor	300,000	drums/yr	300	drums/hr
12. Process fuel usage: N	atural Gas				
Type of fuel	Maximum heat input to process million BTU/hr.	Average usage	Units	Maximum usage	Units
Natural Gas	2.6	10.82	mmft ³ /yr	22.78	mmft³/yr
	ve emissions associated with this process, such conveyors, etc.: N/A	ch as outdoor sto	rage piles,		ched? //A
***** For this emission DESCRIPTION	as unit, identify the method(s) of compliance OF METHODS USED FOR DETERMINIS ont so this form. This is not a requirement	NG COMPLIAN	CE. Attach For	orm 4530-118,	
**** Please complete the	ne Air Pollution Control Permit Application	Forms 4530-126	and 4530-128 f	or this Unit. **	·***

CONTROL EQUIPMENT MISCELLANEOUS AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-110 11-93

Information attached? N(y/n)

SEE INSTRUCTIONS ON REVERSE SIDE	monochido kalana khan khan khan khan khan khan khan k
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number: S12C	4. Unit identification number: P32C
5. Control device number: C32C	
6. Manufacturer and model number: Chemco Mfg. Co., Chem	co Duo-Pads (Dry Filter) or similar
7. Date of installation: Installed at Norwich Ave. Location: Move to Pennsylvania Ave. Location	
8. Describe in detail the device in use. Attach a diagram of the sy The control systems consist of standard dry filters	ystem. Attached? Yes

9. List the pollutants to be controlled by this equipment and the expected control efficiency for each pollutant on the table below.

□ Documentation is attached?

Pollutant	-	oollutant ntration	Hood capture efficiency (%)	Outlet p		Efficiency (%)
	gr/acf	ppmv		gr/acf	ppmv	
Particulate Matter	N/A	N/A	100%	N/A	N/A	98%

					<u> </u>	

- Discuss how the collected material will be handled for reuse or disposal.
 The paint filters are incinerated, and the water from the wash filters are sent to wastewater
- 11. Prepare a malfunction prevention and abatement plan (if required under s. NR 439.11) for this pollution control system. Please include the following:
 - a. Identification of the individuals(s), by title, responsible for inspecting, maintaining and repairing this device.
 - b. Operation variables such as temperature that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance.
 - c. What type of monitoring equipment will be provided (temperature sensors, pressure sensors, CEMs).
 - d. An inspection schedule and items or conditions that will be inspected.
 - e. A listing of materials and spare parts that will be maintained in inventory.
 - f. Is this plan available for review? Yes, see Attachment with December 2008 application

NaOH or HCl as needed.

CONTROL EQUIPMENT-WET COLLECTION SYSTEMS AIR POLLUTION CONTROL PERMIT APPLICATION Form 4520, 116, 11, 92

Form 4530-116 11-93 Information attached? Y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number \$98	4. Unit identification number P11, P12, P13, P14, P15, P16 P41, P42, P72, P73, P74, P80A, P80C, P95
5. Control device number C70	
6. Manufacturer and model number IES 45,000 CFM	M Caustic Wash Scrubber
7. Date of installation 2015	

9. List the pollutants to be controlled by this equipment and the expected control efficiency for each pollutant on the table below.

☐ Documentation is a	ittached				
Pollutant	Inlet pollutant concentration		Outlet pollutant concentration		Efficiency (%)
	gr/acf	ppmv	gr/acf	ppmv	
NaOH	N/A	N/A	N/A	N/A	0 % (95% is true efficiency, but due to not wanting permit
					constraints, MASD is having the scrubber permitted at 0%)

- 10. Discuss how the collected material will be handled for reuse or disposal.

 The collected material is disposed of as wastewater after being neutralized to a pH of between 5 and 9.
- 11. Prepare a malfunction prevention and abatement plan (if required under s. NR 439.11) for this pollution control system. Please include the following:
 - a. Identification of the individuals(s), by title, responsible for inspecting, maintaining and repairing this device.
 - b. Operation variables that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance.
 - c. An inspection schedule and items or conditions that will be inspected.

the liquid stream. The pH is maintained between 5 and 9 by adding either

- d. A listing of materials and spare parts that will be maintained in inventory.
- e. Is this plan available for review? Yes

Section B	
The following questions must be answered by sources installing efficiency of this device by other means.	g new equipment or existing Units which cannot document control
12. Liquid flow rate (gal/min): 124.94 lb/hr	13. Pressure drop across the scrubber and demister (inches of H_2O): $2-10$ inches H_2O
14. Inlet gas flow rate (ACFM): 45,000	15. Inlet gas temperature (EF): 70
16. Scrubbing medium (water, sodium hydroxide slurry, etc.): Water	17. Liquid inlet pressure (psi): 80

CONTROL EQUIPMENT-WET COLLECTION SYSTEMS AIR POLLUTION CONTROL PERMIT APPLICATION Form 4530-116 11-93

Information attached? Y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

Section A	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number S97	4. Unit identification number P75
5. Control device number C70	
6. Manufacturer and model number IES 4,000 CFM Acid Wa	ash Scrubber
7 Date of installation 2015	

8. Describe in detail the control system. Attach a blueprint or diagram of the system. Attached? Yes_ The pollutant (HCl) is ducted to the scrubber where it is absorbed into the liquid stream. The pH is maintained between 5 and 9 by adding either NaOH or HCl as needed.

9. List the pollutants to be controlled by this equipment and the expected control efficiency for each pollutant on the table below. ☐ Documentation is attached

Pollutant	Inlet pollutant Outlet pollutant concentration		Efficiency (%)		
	gr/acf	ppmv	gr/acf	ppmv	
HC1	N/A	N/A	N/A	N/A	0 % (95% is true
					efficiency, but due to not wanting permit
					constraints, MASD is having the scrubber permitted at 0%)

- Discuss how the collected material will be handled for reuse or disposal. The collected material is disposed of as wastewater after being neutralized to a pH of between 5 and 9.
- Prepare a malfunction prevention and abatement plan (if required under s. NR 439.11) for this pollution control system. Please include the following:
 - a. Identification of the individuals(s), by title, responsible for inspecting, maintaining and repairing this device.
 - b. Operation variables that will be monitored in order to detect a malfunction or breakthrough, the correct operating range of these variables, and a detailed description of monitoring or surveillance procedures that will be used to show compliance.
 - c. An inspection schedule and items or conditions that will be inspected.
 - d. A listing of materials and spare parts that will be maintained in inventory.
 - e. Is this plan available for review? Yes

Section B	
The following questions must be answered by sources installir efficiency of this device by other means.	ng new equipment or existing Units which cannot document control
12. Liquid flow rate (gal/min): 11.11 lb/hr	13. Pressure drop across the scrubber and demister (inches of H_2O): $2-10$ inches H_2O
14. Inlet gas flow rate (ACFM): 4,000	15. Inlet gas temperature (EF): 70
16. Scrubbing medium (water, sodium hydroxide slurry, etc.): Water	17. Liquid inlet pressure (psi): 80

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE Form 4530-118 11-93 Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERS	E SIDE			
1. Facility name: CLCM St. Fr	ancis	2. Facility identification number: 341158070		
3. Stack identification number: S92, S93, S94, S95, S96, S62, S53, S12B		4. Unit identification number: P12, P13, P14, P15, P41, P42C, P50C, P32B		
5. This Unit will use the following and attach the appropriate fo		apliance with the requirements of the permit (check all that apply		
☐ Continuous Emission Monitoring (CEM) - Form 4530-119 Pollutant(s):				
☐ Periodic Emission Monito Pollutant(s):	oring Using Portable Monitors -	Form 4530-120		
☐ Monitoring Control Syste Pollutant(s):	m Parameters or Operating Para	ameters of a Process - Form 4530-121		
☐ Monitoring Maintenance Pollutant(s):	Procedures - Form 4530-122			
☐ Stack Testing - Form 453 Pollutant(s):	0-123			
☐ Fuel Sampling and Analy Pollutant(s):	sis (FSA) - Form 4530-124			
⊠Recordkeeping - Form 453 Pollutant(s): <u>NOx, SO2</u>				
☐ Other (please describe) - Pollutant(s):	Form 4530-135			
6. Compliance certification reports will be submitted to the Department according to the following schedule: Start date: Following the end of the calendar year after issuance of this permit and every 12 months thereafter.				
Compliance monitoring reports will be submitted to the Department according to the following schedule: Start date: Following the end of the first half of the calendar year after issuance of this permit and every 6 month thereafter.				

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING
DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE
Form 4530-118 11-93 Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE 1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070 4. Unit identification number C10 (P11, P12, P13, P14, P15, 3. Stack identification number \$98 P16, P41, P42, P72, P73, P74, P80A, P80C, P95) 5. This Unit will use the following method(s) for determining compliance with the requirements of the permit (check all that apply and attach the appropriate form(s) to this form). ☐ Continuous Emission Monitoring (CEM) - Form 4530-119 Pollutant(s): ☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120 Pollutant(s): Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121 Pollutant(s): NaOH ☐ Monitoring Maintenance Procedures - Form 4530-122 Pollutant(s): ☐ Stack Testing - Form 4530-123 Pollutant(s): ☐ Fuel Sampling and Analysis (FSA) - Form 4530-124 Pollutant(s): ☑ Recordkeeping - Form 4530-125 Pollutant(s): NaOH ☐ Other (please describe) - Form 4530-135 Pollutant(s): Compliance certification reports will be submitted to the Department according to the following schedule: Start date: Following the end of the calendar year after issuance of this permit and every 12 months thereafter. Compliance monitoring reports will be submitted to the Department according to the following schedule: Start date: Following the end of the first half of the calendar year after issuance of this permit and every 6 months thereafter.

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE Form 4530-118 11-93 Information attached? N (y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070	
3. Stack identification number \$97	4. Unit identification number C70 (P75)	
5. This Unit will use the following method(s) for det and attach the appropriate form(s) to this form	termining compliance with the requirements of the permit (check all that apply	
☐ Continuous Emission Monitoring (CEM) - Pollutant(s):	Form 4530-119	
☐ Periodic Emission Monitoring Using Portal Pollutant(s):	ole Monitors - Form 4530-120	
☑ Monitoring Control System Parameters or Open Pollutant(s): <u>HCl</u>	Operating Parameters of a Process - Form 4530-121	
☐ Monitoring Maintenance Procedures - Form Pollutant(s):	n 4530-122	
☐ Stack Testing - Form 4530-123 Pollutant(s):		
☐ Fuel Sampling and Analysis (FSA) - Form Pollutant(s):	4530-124	
☑ Recordkeeping - Form 4530-125 Pollutant(s): HCl		
☐ Other (please describe) - Form 4530-135 Pollutant(s):		
	itted to the Department according to the following schedule: endar year after issuance of this permit and every 12 months thereafter.	
	itted to the Department according to the following schedule: thalf of the calendar year after issuance of this permit and every 6 mon	

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE Form 4530-118 11-93 Information attached? N(y/n)

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

requirement or by the Department.			
SEE INSTRUCTIONS ON REVERSE SIDE			
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070		
3. Stack identification number: S12C	4. Unit identification number: C32C (P32C)		
5. This Unit will use the following method(s) for determining and attach the appropriate form(s) to this form).	compliance with the requirements of the permit (check all that apply		
☐ Continuous Emission Monitoring (CEM) - Form 4530 Pollutant(s):	0-119		
☐ Periodic Emission Monitoring Using Portable Monitor Pollutant(s):	ors - Form 4530-120		
☑ Monitoring Control System Parameters or Operating Pollutant(s): <u>PM</u>	Parameters of a Process - Form 4530-121		
☐ Monitoring Maintenance Procedures - Form 4530-122 Pollutant(s):	2		
☐ Stack Testing - Form 4530-123 Pollutant(s):			
☐ Fuel Sampling and Analysis (FSA) - Form 4530-124 Pollutant(s):			
☑ Recordkeeping - Form 4530-125 Pollutant(s): <u>PM, VOC, HAPs</u>			
☐ Other (please describe) - Form 4530-135 Pollutant(s):			
6. Compliance certification reports will be submitted to the Start date: Following the end of the calendar year	e Department according to the following schedule: ar after issuance of this permit and every 12 months thereafter.		
Compliance monitoring reports will be submitted to the Start date: Following the end of the first half of the thorougher	Department according to the following schedule: he calendar year after issuance of this permit and every 6 months		

COMPLIANCE CERTIFICATION - MONITORING AND REPORTING DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE Information attached? N (y/n) Form 4530-118 11-93

All applicants except non-Part 70 sources are required to certify compliance with all applicable air pollution permit requirements by including a statement within the permit application of the methods used for determining compliance (please see sec. NR 407.05(4)(i), Wis. Adm. Code.) This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually, and may need to be more frequent if specified by the underlying applicable requirement or by the Department.

SEE INSTRUCTIONS ON REVERSE SIDE					
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070				
3. Stack identification number: S44, S45, S91	4. Unit identification number: P44, P45, P71				
5. This Unit will use the following method(s) for determining co and attach the appropriate form(s) to this form).	mpliance with the requirements of the permit (check all that apply				
☐ Continuous Emission Monitoring (CEM) - Form 4530-119 Pollutant(s):					
☐ Periodic Emission Monitoring Using Portable Monitors - Form 4530-120 Pollutant(s):					
☐ Monitoring Control System Parameters or Operating Parameters of a Process - Form 4530-121 Pollutant(s):					
☐ Monitoring Maintenance Procedures - Form 4530-122 Pollutant(s):					
☐ Stack Testing - Form 4530-123 Pollutant(s):					
☐ Fuel Sampling and Analysis (FSA) - Form 4530-124 Pollutant(s):					
Recordkeeping - Form 4530-125 Pollutant(s): VOC, HAPs					
☐ Other (please describe) - Form 4530-135 Pollutant(s):					
 Compliance certification reports will be submitted to the I Start date: <u>Following the end of the calendar year</u> 	Department according to the following schedule: after issuance of this permit and every 12 months thereafter.				
Compliance monitoring reports will be submitted to the Department according to the following schedule: Start date: Following the end of the first half of the calendar year after issuance of this permit and every 6 months thereafter.					

SEE INSTRUCTIONS ON REVERSE SIDE

COMPLIANCE DEMONSTRATION BY MONITORING CONTROL SYSTEM PARAMETERS OF OPERATING PARAMETERS OF A PROCESS AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-121 11-93

Information attached? N (y/n)

The monitoring of a control system parameter or a process may be acceptable as a compliance demonstration method provided that a correlation between the parameter value and the emission rate of a particular pollutant is established in the form of a curve of emission rate versus parameter values. Ideally three sets of stack test data, that bracket the emission limit if possible, could be used to define the emission curve. This correlation shall constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070		
3. Stack identification number: S12C	4. Unit identification number: C32C (P32C)		
5. Pollutant(s) being monitored: PM			
6. Name of manufacturer: Dwyer	7. Model number: Magnahelic		
8. Is this an existing system? ■ Yes □ No	9. Installation date: 1995/2015		
10. Method of monitoring description: The pressure drop is recorded once every day or 24 hor	urs of operation.		
11. Backup system: None			
12. Indicate by checking:			
approval. If the plan is not attached, please submit it	ontrol plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The apdated plan will be submitted to Mike Griffin of the DNR		
	(i.e., a particular number of continuous hours) for the purpose of proposed averaging period, or other period which the Department period(s) below.		
Parameter	Averaging Period		
Pressure Drop Across the Dry Filter	Daily		

COMPLIANCE DEMONSTRATION BY MONITORING CONTROL SYSTEM PARAMETERS OF OPERATING PARAMETERS OF A PROCESS AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-121 11-93

Information attached? N (y/n)

The monitoring of a control system parameter or a process may be acceptable as a compliance demonstration method provided that a correlation between the parameter value and the emission rate of a particular pollutant is established in the form of a curve of emission rate versus parameter values. Ideally three sets of stack test data, that bracket the emission limit if possible, could be used to define the emission curve. This correlation shall constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE		
1. Facility name: CLCM St. Fransis	2. Facility identification number: 341158070	
3. Stack identification number S98	4. Unit identification number C10 (P11, P12, P13, P14, P15, P16, P41, P42, P72, P73, P74, P80A, P80C, P95)	
5.Pollutant(s) being monitored: NaOH		
6. Name of manufacturer: IES	7. Model number:	
8. Is this an existing system? ☐ Yes ☒ No	9. Installation date: 2015	
 Method of monitoring description: When in operation, the pressure drop across the scrub per day of operation. 	ber and the liquor flow	rate water will be recorded once
11. Backup system: None		
12. Indicate by checking:		
The monitoring system shall be subject to appropriate p assurance procedures. □ A quality assurance/quality c approval. □ If the plan is not attached, please submit it plan was submitted to the Department ☑ An by November 16, 2015.	control plan for the monit within 60 days of the sta	oring system is attached for Department
13. The applicant shall propose an appropriate averaging period, defining excess emissions. The Department may approve the determines to be appropriate. Provide the proposed averagin	e proposed averaging per	
Parameter		Averaging Period
Differential Across the Scrubber		Daily
Water (system) Flow		Daily

COMPLIANCE DEMONSTRATION BY MONITORING CONTROL SYSTEM PARAMETERS OF OPERATING PARAMETERS OF A PROCESS AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-121 11-93

Information attached? N (y/n)

The monitoring of a control system parameter or a process may be acceptable as a compliance demonstration method provided that a correlation between the parameter value and the emission rate of a particular pollutant is established in the form of a curve of emission rate versus parameter values. Ideally three sets of stack test data, that bracket the emission limit if possible, could be used to define the emission curve. This correlation shall constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number \$97	4. Unit identification number C70 (P75)
5. Pollutant(s) being monitored: HCl	
6. Name of manufacturer: IES	7. Model number:
8. Is this an existing system? ☐ Yes ☒ No	9. Installation date: 2015
 Method of monitoring description: When in operation, the pressure drop across the per day of operation. 	scrubber and the liquor flow rate water will be recorded once
11. Backup system: None	
12. Indicate by checking:	
approval. If the plan is not attached, please sul	nality control plan for the monitoring system is attached for Department bmit it within 60 days of the start-up of the monitoring program. □ The An updated plan will be submitted to Mike Griffin of the DNR
	period, (i.e., a particular number of continuous hours) for the purpose of ove the proposed averaging period, or other period which the Department veraging period(s) below.
Parameter	Averaging Period
Differential Across the Scrul	bber Daily
Water (system) Flow	Daily

COMPLIANCE DEMONSTRATION BY RECORDKEEPING AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? N (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number: S92, S93, S94, S95, S96, S62, S53 S12B	4. Unit identification number: P12, P13, P14, P15, P41, P42C, P50C, P32B
5. Pollutant(s) being monitored: NOx, SO2, CO, PM, VOC	6. Material or parameter being monitored and recorded: Natural Gas Usage
7. Method of monitoring and recording: The facility wide natural gas usage will be recorded m	onthly.
8. List any EPA methods used: None	
9. Is this an existing method of demonstrating compliance? ☑ Yes □ No	10. Installation date: various – see above forms
11. Backup system: Purchasing Records	
12. Compliance shall be demonstrated: ☐ Daily ☐ Weekly	☑ Monthly ☐ Batch (not to exceed monthly)
13. Indicate by checking:	
assurance procedures. A quality assurance/quality coapproval. If the plan is not attached, please submit it	erformance specifications, calibration requirements and quality entrol plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The application for the site formerly known as Kitzinger (FID)
***** The compliance records shall be available for Department certification report and the excess emission report shal format for the compliance certification report and excessame time as the application.	l be approved by the Department. A proposed

***** The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****

Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall

be reported to the Department immediately.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? N (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number: S12C	4. Unit identification number: C32C (P32C)
5. Pollutant(s) being monitored: PM, VOCs, and HAPs	6. Material or parameter being monitored and recorded: Coating Throughput
7. Method of monitoring and recording: The facility will record the coating throughput monthly Material Safety Data Sheets. Coating throughput will be	
8. List any EPA methods used: None	
9. Is this an existing method of demonstrating compliance? ☑ Yes ☐ No	10. Installation date: 1995/2015
11. Backup system: Purchasing Records	
12. Compliance shall be demonstrated: Daily Weekly	☑ Monthly ☐ Batch (not to exceed monthly)
13. Indicate by checking:	
assurance procedures. A quality assurance/quality co approval. If the plan is not attached, please submit it was a submit	rformance specifications, calibration requirements and quality entrol plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The pdated plan will be submitted to Mike Griffin of the DNR
***** The compliance records shall be available for Department certification report and the excess emission report shall format for the compliance certification report and excessame time as the application.	be approved by the Department. A proposed
***** The source shall record any malfunction that causes or may Malfunctions shall be reported to the Department the new be reported to the Department immediately.	

COMPLIANCE DEMONSTRATION BY RECORDKEEPING AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? N (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number: S44, S45, S91	4. Unit identification number: P44, P45, P71
5. Pollutant(s) being monitored: VOC, HAPs	6. Material or parameter being monitored and recorded: HAP and VOC Usage
7. Method of monitoring and recording: The facility will record the amount of solvents used me	onthly.
8. List any EPA methods used: None	
9. Is this an existing method of demonstrating compliance? ■ Yes □ No	10. Installation date: 1995/2015
11. Backup system: Purchasing Records	
12. Compliance shall be demonstrated: ☐ Daily ☐ Weekly	☑ Monthly ☐ Batch (not to exceed monthly)
13. Indicate by checking:	
assurance procedures. A quality assurance/quality coapproval. If the plan is not attached, please submit it	erformance specifications, calibration requirements and quality ontrol plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The updated plan will be submitted to Mike Griffin of the DNR
***** The compliance records shall be available for Department certification report and the excess emission report shal format for the compliance certification report and excessame time as the application.	l be approved by the Department. A proposed
**** The source shall record any malfunction that causes or material Malfunctions shall be reported to the Department the reported to the Department immediately.	

COMPLIANCE DEMONSTRATION BY RECORDKEEPING AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? N (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	<u>'</u>
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number S98	4. Unit identification number C10 (P11, P12, P13, P14, P15, P16, P41, P42, P72, P73, P74, P80A, P80C, P95)
5. Pollutant(s) being monitored: NaOH	6. Material or parameter being monitored and recorded: NaOH Usage
7. Method of monitoring and recording: The facility will record the amount of NaOH used mon	nthly.
8. List any EPA methods used: None	
9. Is this an existing method of demonstrating compliance? ☐ Yes ☑ No	10. Installation date: 2015
11. Backup system: Purchasing Records	
12. Compliance shall be demonstrated: Daily Weekly	Monthly Batch (not to exceed monthly)
assurance procedures. A quality assurance/quality coapproval. If the plan is not attached, please submit it	erformance specifications, calibration requirements and quality control plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The updated plan will be submitted to Mike Griffin of the DNR
**** The compliance records shall be available for Department certification report and the excess emission report shall format for the compliance certification report and exce	1 be approved by the Department. A proposed

be reported to the Department immediately.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-125 11-93

Information attached? N (y/n)

Recordkeeping may be acceptable as a compliance demonstration method provided that a correlation between the parameter value recorded and the emission rate of a particular pollutant is established in the form of a curve or chart of emission rate versus parameter values. This correlation may constitute the certification of the system. It should be attached for Department approval. If it is not attached, please submit it within 60 days of the startup of the system.

SEE INSTRUCTIONS ON REVERSE SIDE	
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number S97	4. Unit identification number C70 (P75)
5. Pollutant(s) being monitored: HCl	6. Material or parameter being monitored and recorded: HCl Usage
7. Method of monitoring and recording: The facility will record the amount of HCl used month	ly.
8. List any EPA methods used: None	
9. Is this an existing method of demonstrating compliance? ☐ Yes ☑ No	10. Installation date: 2015
11. Backup system: Purchasing Records	
12. Compliance shall be demonstrated: Daily Weekly	Monthly Batch (not to exceed monthly)
13. Indicate by checking:	
assurance procedures. A quality assurance/quality coapproval. If the plan is not attached, please submit it	erformance specifications, calibration requirements and quality ontrol plan for the monitoring system is attached for Department within 60 days of the start-up of the monitoring program. The apdated plan will be submitted to Mike Griffin of the DNR
***** The compliance records shall be available for Department certification report and the excess emission report shal format for the compliance certification report and excessame time as the application.	I be approved by the Department. A proposed

***** The source shall record any malfunction that causes or may cause an emission limit to be exceeded. *****

Malfunctions shall be reported to the Department the next business day. Hazardous air spills shall

be reported to the Department immediately.

EMISSION UNIT HAZARDOUS AIR POLLUTANT SUMMARY

AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-126 11-93

Information attached? Y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

 1. Facility name:
 CLCM St. Francis
 2. Facility identification number: 341158070

 3. Stack identification number:
 All

 4. Unit identification number:
 All

5. Unit material description: All

6. Complete the following summary of hazardous air emissions from this unit. Attach sample calculations and emission factor references. Attached? Yes

Pollutant CAS Actual emissions Maximum theoretical emissions Potential to emit Units Units Glycol Ethers, TPY Methylene Chloride, 75-09-2 TPY Methanol, 67-56-1 **TPY** See following sheet and Tables 2, 3, 11, 12, 15 Toluene, 108-88-3 TPY Sodium Hydroxide (mist), 1310-73-2 TPY Hydrochloric Acid (mist), 7647-01-0 **TPY** TPY TPY

^{*} None indicates that the emissions are below the reporting thresholds found in Table 2, Chapter NR 407

FACILITY HAZARDOUS AIR POLLUTANT SUMMARY AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-127 11-93

Information attached? Y (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: CLCM St. Francis 2. Facility identification number: 341158070 3. Complete the following emissions summary for all hazardous air emissions at this facility (as defined in ch. NR 445, Wis Adm. Code, and sec. 112, 1990 Clean Air Act Amendments): Potential to emit Pollutant CAS Actual emissions Maximum theoretical emissions Units Units Glycol Ethers, N/A Methylene Chloride, 75-09-2 Methanol, 67-56-1 See following sheet and Table 1 Toluene, 108-88-3 Sodium Hydroxide (mist), 1310-73-2 Hydrochloric Acid (mist), 7647-01-0 TPY **TPY** TPY TPY TPY TPY TPY TPY TPY **TPY** TPY TPY TPY TPY TPY TPY TPY TPY TPY **TPY** TPY TPY **TPY** TPY TPY TPY

TPY

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 Attachment to Forms 4530-126 and -127

Pollutant CAS	Actual	Actual emissions	Maximum theo	Maximum theoretical emissions	Potentis	Potential to emit
		Units		Units		
S98/C10 (P11, P12, P13, P14, P15, P16, P41, P42, P72, P73, P74, P80A, P80C, P95, C70, Other Units)	42, P72, P73, P74,	P80A, P80C, P95, C	570, Other Units)			
Sodium Hydroxide (mist), 1310-73-2	0.02	ton/yr	0.62	lb/hr	1,28	ton/yr
S91 (fugitive)/P71						
Methylene Chloride, 75-09-2	4.39	ton/yr	25.77	1b/hr	7.22	ton/yr
Methanol, 67-56-1	0.62	ton/yr	3.64	lb/hr	1.02	ton/yr
Toluene, 108-88-3	0.31	ton/yr	1.82	lb/lrr	0.51	ton/yr
S97/C70 (P75)						
Hydrochloric Acid (mist), 7647-01-0	0.002	ton/yr	0.05	lb/hr	0.10	ton/yr
S12C/C23C (P32C)						
Glycol Ethers, N/A	2.51	ton/yr	2.45	lb/hr	4.06	ton/yr
All Other Stacks			veger general and an analysis of the second and an analysis of the	л ^а сти во остана водина води	ок основняем выполняем	выялення высейня выполня выбо
None						
Total						
Glycol Ethers, N/A	2.51	ton/yr	2.45	lb/hr	4.06	ton/yr
Methylene Chloride, 75-09-2	4.39	ton/yr	25.77	16/hr	7.22	ton/yr
Methanol, 67-56-1	0.62	ton/yr	3.64	1b/hr	1.02	ton/yr
Toluene, 108-88-3	0.31	ton/yr	1.82	1b/hr	0.51	ton/yr
Sodium Hydroxide (mist), 1310-73-2	0.02	ton/yr	0.62	lb/hr	1.28	ton/yr
Hydrochloric Acid (mist), 7647-01-0	0.002	ton/yr	0.05	lb/hr	0.10	ton/yr

State of Wisconsin

Department of Natural Resources

EMISSION UNIT SUMMARY AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-128 11-93 Information attached? \underline{Y} (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE	\(\frac{1}{2}\)
1. Facility name: CLCM St. Francis	2. Facility identification number: 341158070
3. Stack identification number: All	4. Unit identification number: All

5. Complete the following emissions summary for the following pollutants. Attach sample calculations and emission factor references. Attached? Yes

Air pollutant	*	Actua	1		m the	oretical 18	Potential to		December 1	a liber here	llowable
		U	TPY		U	TPY				U	TPY
Particulates/PM10											
Sulfur dioxide											
Organic compounds		See following sheet and Tables 1-16									
Carbon monoxide											
Nitrogen oxides		T		•				r			r ···-

Units (U) should be entered as follows:

^{1 =} lb/hr

^{2 =} lb/mmBTU

^{3 =} grains/dscf 4 = lb/ gallon

^{5 =} ppindv

^{6 =} other (specify) 7 = other (specify) 8 = other (specify)

FACILITY EMISSIONS SUMMARY State of Wisconsin Department of Natural Resources AIR POLLUTION CONTROL PERMIT APPLICATION Form 4530-129 11-93 Information attached? \underline{Y} (y/n) SEE INSTRUCTIONS ON REVERSE SIDE CLCM St. Francis 2. Facility identification number: 341158070 1. Facility name: 3. Complete the following emissions summary for the listed emissions at this facility. Air pollutant Actual Maximum theoretical Potential to emit Maximum allowable emissions TPYTPY TPY TPY Particulates Sulfur dioxide Organic compounds See following sheet and Table 1 Carbon monoxide Nitrogen oxides PM-10

Attachment to Forms 4530-128 and -129 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

CAN Included		Actual emissions		Max	Maximum Incorences emissions	ussions	Fotential to emit	i to emit		Maximum Allowable	Ð
A PARTIE DE LA CONTRACTOR DE LA CONTRACT		Units	TPY		Units	TPY				Units	TPY
S98/C10 (P11, P12, P13, P14, P15, P16, P41, P42, P72, P73, P74, P804, P80C, P95, C70,	I, P42, P72, P73, P74,	P86.4, P86C, P95,	770, Other Units	ý							
None											
All Combustion: S92/P12, S93/P13, S94/P14, S95/P15, S96/P41, S62/P42C, S33/P50C, S.	4, S95/P15, S96/P41, J	362/P42C, S53/P500	, S12B/P32B								
Volatile Organic Compounds (VOC)	0.04	1b/hr (1)	0.17	0.08	15/hr (J)	0.36	0,36	ton/yr	0.08	15/hr (1)	0.36
Carbon Monoxide (CO)	0.60	1b/hr (1)	2.65	1.27	15/hr (1)	5.57	5,57	ton/yr	1.27	15/hr (1)	5.57
Nitrogen Oxides (NO _X)	0.72	1b/hr (1)	3,15	1.52	lb/hr (1)	6.64	6.64	ton/yr	1.52	lb/hr (1)	6.64
Particulates (PM)	\$0.0	1b/hr (1)	0.24	0.12	Ib/hr (1)	0.50	0.50	ton/yr	0.12	lb/hr (1)	0.50
Particulates-10 (PM-10)	0.05	1b/hr (1)	0.24	0.12	1b/hr (1)	0.50	0.50	ton/yr	0,12	lb/hr (1)	0.50
Sulfur Dioxide (SO ₂)	0.004	lb/hr (1)	0.02	0.01	lb/hr (1)	0.04	0.04	ton/yr	0,01	1b/hr (1)	0.0
S45 (Jugitive)/P45											
Volatile Organic Compounds (VOC)	96:0	15/hr (1)	1.00	1.58	lb/hr (1)	6.90	1.64	ton/yr	1.58	16/hr (1)	1.64
S91 (fugitive)/P71											
Volatile Organic Compounds (VOC)	2.77	15/hr (1)	0.78	4.56	lb/hr (1)	19.97	1.28	ton/yr	4.56	16/hr (1)	1,28
S97/C70 (P7S)					***************************************						AND STREET, ST
None							e de la constanta de la consta				
S12C/C23C (P32C)											
Volatile Organic Compounds (VOC)	25.16	Ib/hr (1)	41.64	40.60	15/hr (1)	177.83	67.30	ton/yr	40.60	lb/hr (1)	67.20
Particulates (PM)	0.18	IbAhr (1)	0.29	28.65	Ib/hr (1)	47.42	0.47	ton/yr	0,29	Ib/hr (1)	0.47
l ofat	******	3. (L. C).	25.00	46.80	0.4.73	202.00	36.40	and have	C8 29	14/hy (1)	20.02
Volatile Organie Compounds (VOC.)	0.60	(b/hr/1)	3,65	1.07	Puller (C)	4 57	5 57	tonyvi	1.27	(D)	13.5
Nitrogen Oxides (NOv.)	0.72	lb/hr (1)	3,15	1.52	15/hr (1)	6.64	6,64	ton/yr	1.52	15/hr (1)	5.6
Particulates (PM)	0.23	1b/hr (1)	0.53	28.77	lb/hr (1)	47.93	86.0	ton/yr	0,40	15/hr (1)	0.98
Particulates-10 (PM-10)	0,05	(1)	0.24	0.12	15/hr (1)	0.50	0.50	ton/yr	0,12	15/hr (1)	0.50
Suffer Diaxide (SO.)	0.004	1b/hr (1)	0.02	10.0	15/hr (1)	0.04	9.04	ton/yr	10'0	15/hr (1)	0.04

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 11-93 Information attached? N (y/n)

SEE	INSTRUCTIO	2NC	ON REV	FRSE	SIDE
ساسات	THO HINDURE	ノムヤいこう		Litoli	

1. Facility name:	CLCM St. Francis		2. Facility identificati	ation number: 341158070			
3. Stack identification S53 S12B	on number: S92, S93, S94, S95, S96	, S62,	4. Unit identification P42C, P50C,	number: P12, P13, P1 P32B	14, P15, P41,		
5, Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Li	mitation	9. Compliance Status (in or out)		
Particulate Matter	NR 415.06(3)(a) Wis. Adm. Code		General	Limitations	In		
Carbon Monoxide	NR 426.03 Wis. Adm. Code		General	Limitations	In		
Nitrogen Oxides	NR 428.03 Wis. Adm. Code		General	Limitations	In		
Sulfur Dioxide	NR 417.025 Wis. Adm. Code		General	Limitations	In		
Volatile Organic Compounds	ranic NR 419.03 Wis. Adm. Code General Limitations ible NR 431.03 Wis. Adm. Code 20 Percent Opecity						
Visible Emissions							
Hazardous Air Pollutants	NR 445.03 Wis. Adm. Code	Yes	General	In			
10. Other requireme an existing permit, e	nts (e.g., malfunction reporting, special tic.)	l operati	ng conditions from	State Only	Compliance Status (in or out)		
None					N/A		
The second secon					***************************************		

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 11-93

Information attached? N (y/n)

1. Facility name: (CLCM St. Francis	2. Facility identification number: 341158070			
3. Stack identificatio	on number: S12C	4. Unit	identification number	:: C32C (P32C)	167.174
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Li	mitation	9. Compliance Status (in or out)
Particulate Matter	NR 415.06(3)(a) Wis. Adm Code		,	ulate per 100 pounds ck gas	In
Carbon Monoxide	NR 426.03 Wis. Adm. Code		General	Limitations	In
Nitrogen Oxides	NR 428.03 Wis. Adm. Code		General Limitations		In
Sulfur Dioxide	NR 417.025 Wis. Adm. Code		General Limitations		In
Volatile Organic Compounds	NR 419.03 Wis. Adm. Code		3.5 pounds VOC per gallon coating, less water		In
Visible Emissions	NR 431.03 Wis. Adm. Code	A PARA PARA PARA PARA PARA PARA PARA PA	20 Percent Opacity		In
Hazardous Air Pollutants	NR 445,03 Wis. Adm. Code	Yes	General Limitations		In
10. Other requireme an existing permit, e	tnts (e.g., malfunction reporting, specia etc.)	al operatir	g conditions from	State Only	Compliance Status (in or out)
None					N/A
				Marie de la companya	
	0 to 2/4 to 3/4 May				

State of Wisconsin

Department of Natural Resources

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNITAIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-130 11-93

Information attached? N (y/n)

Facility name: 0 Stack identification	CLCM St. Francis on number S98 / S97	4. Unit	ity identification numb identification number 42, P72, P73, P74, F	C10 (P11, P12, P13	
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Limitation		9. Compliance Status (in or out)
Particulate Matter	NR 415.06(3)(a) Wis. Adm Code		General I	Limitations	In
Carbon Monoxide	NR 426.03 Wis. Adm. Code		General I	Limitations	In
Nitrogen Oxides	NR 428.03 Wis. Adm. Code	management of the control of the con	General I	Limitations	In
Sulfur Dioxide	NR 417.025 Wis. Adm. Code		General I	Limitations	In
Visible Emissions	NR 431.03 Wis. Adm. Code		20 Perce	nt Opacity	In
Hazardous Air Pollutants	NR 445.03 Wis. Adm. Code	Yes	General I	Limitations	In
Volatile Organic Compounds	NR 419.03 Wis. Adm. Code		General Limitations		In
10. Other requireme an existing permit, e	nts (e.g., malfunction reporting, specia sc.)	l l operatin	g conditions from	State Only	Compliance Status (in or out)
None					N/A

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF UNIT AIR POLLUTION CONTROL PERMIT APPLICATION Form 4530-130 11-93 Information attached? N (Information attached? N (y/n))

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name: CLCM St. Francis			ity identification num	ber: 341158070	
3. Stack identificati	on number: S44, S45, S91	4. Unit	identification number:	P44, P45, P71	
5. Pollutant	6. Wis. Adm. Code Wis. Stats., 40 CFR	7. State Only	8. Lir	nitation	9. Compliance Status (in or out)
Volatile Organic Compounds	NR 419.03 Wis. Adm. Code		85% Cont	rol or LACT	In
Visible Emissions	NR 431.03 Wis. Adm. Code		20 Perce	ent Opacity	In
Hazardous Air Pollutants	NR 445.03 Wis. Adm. Code	Yes	General 1	Limitations	In
10. Other requirem an existing permit,	ents (e.g., malfunction reporting, specia etc.)	l operatir	ng conditions from	State Only	Compliance Status (in or out)
None					N/A
Pantras Wall					
			desire		

EMISSION UNIT COMPLIANCE PLAN COMMITMENTS AND SCHEDULE AIR POLLUTION CONTROL PERMIT APPLICATION

SEE INSTRUCTIONS ON	Form	4530-131 11-93 Informatio	n attached? N (y/n)	
······································	M St. Francis	2. Facility identification number: 341158070		
3. Stack identification nun	nber: All	4. Unit identification number: All		
 5. For Units that are presently in compliance with all applicable requirements, including any enhanced monitoring and compliance certification requirements under section 114(a)(3) of the Clean Air Act that apply, complete the following. These commitments are part of the application for Part 70 permits. We will continue to operate and maintain this Unit in compliance with all applicable requirements. Form 4530-130 includes new requirements that apply or will apply to this Unit during the term of the permit. We will 				
	rements on a timely basis.	y or will apply to this Olif during the term of the	perint, we will	
6. For Units <u>not</u> presently	fully in compliance, complete the f	ollowing.		
☐ This Unit is in comp according to the foll		ents except for those indicated below. We will acl	nieve compliance	
Applicable Requirement	Co	rrective Actions	Deadline	
1.				
2.			****	
3.				
Progress reports wil	1 be submitted:			
Start date:and every six (6) months thereafter				

CURRENT EMISSIONS REQUIREMENTS AND STATUS OF FACILITY AIR POLLUTION CONTROL PERMIT APPLICATION

Form 4530-132 11-93

Information attached? N (y/n)

SEE	INSTI	LICTIONS	ONREV	ERSE SIDE	
OLL	TICATE	COCHOIN		LIKOL OIDE	

1. Facility name: CLCM St. Francis			dentification number: 3411580)70
3, Pollutant	4. Wis. Adm, Code Wis. Stats., 40 CFR	5. State Only	6. Threshold Value	7. Compliance Status (in or out)
Carbon Monoxide	NR 426.03 Wis. Adm. Code	,	General Limitations	In
Nitrogen Oxides	NR 428.03 Wis. Adm. Code	;	General Limitations	In
Sulfur Dioxide	NR 417.025 Wis. Adm. Code	>	General Limitations	In
Volatile Organic Compounds	NR 419.03 Wis. Adm. Code		General Limitations	In
Visible Emissions	NR 431.03 Wis. Adm. Code		General Limitations	In
Hazardous Air Pollutants	NR 445.03 Wis. Adm. Code	Yes	General Limitations	In
Malodorous Emissions	NR 429.03 Wis. Adm. Code	:	General Limitations	In
Particulate Matter	NR 415.03 Wis. Adm. Code	,	General Limitations	In
All Pollutants	NR 445.05 Wis. Adm. Code	Yes	Diminimus	In

8. Is this facility subject to the provisions governing pre-	evention of accidental rel	eases of hazardous air	contaminants contained	in
	section 112(r)(7) of th	e Clean Air Act?	☐ Yes ☑ No	

If you answered yes, please describe how you will achieve compliance with these provisions, including the requirement to formulate a plan for preventing accidental releases (sec. 112(r)(7)(B)(ii)):

9. Other requirements (e.g., malfunction reporting, special operating conditions from an existing permit, etc.)	State Only	Compliance Status (in or out)
None		

FACILITY REQUIREMENT COMPLIANCE PLAN COMMITMENTS AND SCHEDULE

SEE INSTRUCTIONS ON	Fo	IR POLLUTION CONTROL PERMIT APPLIe orm 4530-133 11-93 In	CATION formation attached? (y/n)
	M St. Francis	2. Facility identification number: 3	41158070
3. For facilities that are pre- compliance certifica These commitments	esently in compliance with all ap tion requirements under section are part of the application for Pa	oplicable requirements, including any enhanced 114(a)(3) of the Clean Air Act that apply, com	I monitoring and uplete the following.
☑ Form 4530-132 i		apply or will apply to this facility during the ter	
☐ This facility is in co	ntly fully in compliance, comple impliance with all applicable required to the following schedule:	te the following. uirements except for those indicated below. W	e will achieve
Applicable	ig to the following schedule.	Consider Autor	D 41
Requirement		Corrective Actions	Deadline
1.			
2.			
3.			
J.			
The second secon			
Progress reports will	l be submitted:		
Start date:	and every six (6) months the	ereafter	

INDEX OF AIR POLLUTION PERMIT APPLICATION FORMS Form 4530-134 12-99

LADMINISTRATION		
This application contains the following forms:	Form 4530-100, Facility Identification	
	Form 4530-101, Facility Plot Plan	
	Forms 4530-102, -102A, and -102B, Source and Site Descriptions	
II. EMISSIONS SOURCE DESCRIPTION		Total Number of This Form
This application contains the following forms:	Form 4530-103, Stack Identification	1
	☐ Form 4530-104, Boiler or Furnace Operation	
	☐ Form 4530-105, Storage Tanks	
	☐ Form 4530-106, Incineration	
	☐ Form 4530-107, Printing Operations	
	☑ Form 4530-108, Painting and Coating Operations	1
	☒ Form 4530-109, Miscellaneous Processes	13
III.AIR POLLUTION CONTROL SYSTEM		Total Number of This Form
This application contains the following forms:	🗵 Form 4530-110, Miscellaneous	1
	☐ Form 4530-111, Condensers	
	☐ Form 4530-112, Adsorbers	
	Form 4530-113, Catalytic or Thermal Oxidation	
	☐ Form 4530-114, Cyclones/Settling Chambers	
	☐ Form 4530-115, Electrostatic Precipitators	
	Form 4530-116, Wet Collection Systems	2
	☐ Form 4530-117, Baghouses/Fabric Filters	
IV.COMPLIANCE DEMONSTRATION		Total Number of This Form
This application contains the following forms:	Form 4530-118, Compliance Certification - Monitoring and Reporting	5
(one for each facility boiler, printing	☐ Form 4530-119, Continuous Emission Monitoring	
operation, etc.):	☐ Form 4530-120, Periodic Emission Monitoring Using Portable Monitors	
	Form 4530-121, Control System Parameters or Operation Parameters of a Process	3
	☐ Form 4530-122, Monitoring Maintenance Procedures	
	☐ Form 4530-123, Stack Testing	
	☐ Form 4530-124, Fuel Sampling and Analysis	
	Form 4530-125, Recordkeeping	5

V.EMISSION SUMMARY AND COMPLIANCE CERTIFICATION		Total Number of This Form
This application contains the following forms:	Form 4530-126, Emission Unit Hazardous Air Pollutant Summary	1
	Form 4530-127, Facility Hazardous Air Pollutant Summary	1
	Form 4530-128, Emission Unit Summary	1
	Form 4530-129, Facility Emissions Summary	1
	Form 4530-130, Current Emissions Requirements and Status of Unit	4
	Form 4530-131, Emission Unit Compliance Plan - Commitments and Schedule	1
	Form 4530-132, Current Emissions Requirements and Status of Facility	1
	Form 4530-133, Facility Requirement Compliance Plan Commitments and Schedule	1

VI.SIGNATURE OF RESPONSIBLE OFFICIAL					
 A. STATEMENT OF COMPLETENESS I have reviewed this application in its entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this application are true, accurate and complete. B. FOR RENEWALS ONLY I have reviewed this application, the original operation permit application, and operation permit number(s) 					
	in their entirety and, based on information and belief formed after reasonable inquiry, I certify that the statements and information contained in this renewal application are true, accurate and complete.				
C. CERTIFICATION OF FACILITY COMPLIANCE STATUS (check one box onl THIS IS NOT A REQUIREMENT OF NON-PART 70 SOURCES.	y)				
🗷 I certify that the facility described in this air pollution permit application is fully in com	pliance with all applicable requirements.				
☐ I certify that the facility described in this air pollution permit application is fully in compliance with all applicable requirements, except for the following emissions unit(s): (list all non-complying units)					
Printed or Typed Name	Title				
Scott Swosinski	Vice President and General Manager				
Signature	Date Signed				

SEND ALL MATERIALS TO:

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
BUREAU OF AIR MANAGEMENT
PERMITS SECTION
P.O. BOX 7921
MADISON, WI 53707-7921

V.EMISSION SUMMARY AND COMPLIANCE CERTIFICATION		Total Number of This Form
This application contains the following forms:	Form 4530-126, Emission Unit Hazardous Air Pollutant Summary	1
	🗷 Form 4530-127, Facility Hazardous Air Pollutant Summary	1
	☑ Form 4530-128, Emission Unit Summary	1
	Form 4530-129, Facility Emissions Summary	1
	Form 4530-130, Current Emissions Requirements and Status of Unit	4
	Form 4530-131, Emission Unit Compliance Plan - Commitments and Schedule	1
	Form 4530-132, Current Emissions Requirements and Status of Facility	1
	Form 4530-133, Facility Requirement Compliance Plan Commitments and Schedule	1

VI.SIGNATURE OF RESPONSIBLE OFFICIAL	
A. STATEMENT OF COMPLETENESS	
I have reviewed this application in its entirety and, based on information and certify that the statements and information contained in this application are t	I belief formed after reasonable inquiry, I rue, accurate and complete.
B. FOR RENEWALS ONLY	
I have reviewed this application, the original operation permit application, as in their entirety and, based on information and belief formed after reasonable and information contained in this renewal application are true, accurate and	e inquiry, I certify that the statements
C. CERTIFICATION OF FACILITY COMPLIANCE STATUS (check one box onl THIS IS NOT A REQUIREMENT OF NON-PART 70 SOURCES.	y)
I certify that the facility described in this air pollution permit application is fully in comp	
☐ I certify that the facility described in this air pollution permit application is fully in comp for the following emissions unit(s): (list all non-complying units)	pliance with all applicable requirements, except
	Title
Printed or Typed Name Scott Swosinski	Vice President and General Manager
Signature Signature	Date Signed

SEND ALL MATERIALS TO:

WISCONSIN DEPARTMENT OF NATURAL RESOURCES BUREAU OF AIR MANAGEMENT PERMITS SECTION P.O. BOX 7921 MADISON, WI 53707-7921 State of Wisconsin

Department of Natural Resources

SUPPLEMENTAL INFORMATION

AIR POLLUTION CONTROL PERMIT APPLICATION

TABLES

TABLE 1. Total Emissions CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT		TOT	TOTAL	
	Ď.	PTE	Ξ	MTE
	lb/hr	ton/yr	lb/hr	ton/yr
Volatile Org. Cmpnds. (VOC)	46.82	70.48	46.82	205.06
Carbon Monoxide (CO)	1.27	5.57	1.27	2.57
Nitrogen Oxides (NO _X)	1.52	6.64	1.52	6.64
Particulates (PM)	0.40	0.98	28.77	47.93
Particulates-10 (PM-10)	0.12	0.50	0.12	0.50
Sulfur Dioxide (SO ₂)	0.01	0.04	0.01	0.04
Lead (Pb)	0.00001	0.00003	0.00001	0.00003
Glycol Ethers (HAP)	2.45	4.06	2.45	10.74
Methylene Chloride (HAP)	25.77	7.22	25.77	112.87
Methanol (HAP)	3.64	1.02	3.64	15.93
Toluene (HAP)	1.82	0.51	1.82	7.96
Sodium Hydroxide (mist)	0.615	1.280	0.615	2.695
Hydrochloric Acid (mist)	0.047	0.097	0.047	0.205
Total HAP	34.34	14.18	34.34	150.40

TABLE 2. New Wet Caustic Scrubber Emissions - C10 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

PROCESS	EMISSION	EMISSION SOLUTION			USAGE			CONTROL		TOTAL NaOH	_
	FACTOR	FACTOR STRENGTH PTE/MTE	PTE/MTE	· ;	PTE		MTE	щ è	PTE/MTE PTE	PTE	MTE
	emis./		lb/hr	om/al	gal/yr	D/yr	D/yr	<u></u> %	Ju/a	Tony	torvýr
	pasn q	%									1 m
All Units Venting to C10	1.0%	50.0%	123.08	42,667	40,000		512,000 1,078,154	%0	0.615	1.280	2.695

Potential Operating Hours:
 Maximum Operating Hours:

4,160 hr/yr 8,760 hr/yr

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 4. Water Heater 4 Emissions - P12

POLLUTANT	EMISSION	USA PTE/	USAGE PTE/MTE	TO) PTE	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr	mmft³/yr	lb/hr	ton/yr
MATEURIN SESSAT VIEL AN SESSAT ANN SESSAT MATEURIN SESSAT AN SESSAT ANN SESSAT ANN SESSAT ANN SESSAT ANN SESSA	Annual control of the	renekkinn ikada derimin den kanalan den den den den den den den den den de	ridessocial descriptions of the contract of th	***************************************	***************************************
00	84.0	0.0020	17.52	0.168	0.736
NOx	100.0	0.0020	17.52	0.200	0.876
Md	7.6	0.0020	17.52	0.015	0.067
PM-10	7.6	0.0020	17.52	0.015	0.067
SO ₂	9.0	0.0020	17.52	0.001	0.005
VOC	5.5	0.0020	17.52	0.011	0.048
Lead	0.0005	0.0020	17.52	0.000001	0.000004

8,760 hr/yr

Maximum Heat Input:
 Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

TABLE 5. Oil/Water Heater 3 Emissions - P13 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT	EMISSION FACTOR	USAGE PTE/MTE	USAGE TE/MTE	TOT PTE/	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr mmft³/yr	mmft³/yr	lb/hr	ton/yr
		6) 1	0	7
00	84.0	0.0020	17.52	0.168	0.736
NOX	100.0	0.0020	17.52	0.200	0.876
Md	9.7	0.0020	17.52	0.015	0.067
PM-10	7.6	0.0020	17.52	0.015	0.067
SO ₂	9.0	0.0020	17.52	0.001	0.005
VOC	5.5	0.0020	17.52	0.011	0.048
Lead	0.0005	0.0020	17.52	0.000001	0.000004

8,760 hr/yr 2.0 mmBtu/hr

Maximum Heat Input:
 EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 6. Caustic Heater 2 Emissions - P14

POLLUTANT	EMISSION	USA PTE/	USAGE PTE/MTE	TOT 	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr	nmft³/hr mmft³/yr	lb/hr	ton/yr
00	84.0	0.0036	31.54	0.302	1.325
NOX	100.0	0.0036	31.54	0.360	1.577
Md	9.7	0.0036	31.54	0.027	0.120
PM-10	7.6	0.0036	31.54	0.027	0.120
SO2	9.0	0.0036	31.54	0.002	0.009
VOC	5.5	0.0036	31.54	0.020	0.087
Lead	0.0005	0.0036	31.54	0.000002	0.000008
,					

8,760 hr/yr

Maximum Heat Input:
 Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 7. Caustic Heater 1 and 2,000-Gallon Tank Emissions - P15

POLLUTANT	EMISSION FACTOR	USAGE PTE/MTE	USAGE TE/MTE	TOT PTE/	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr	mmft³/yr	lb/hr	ton/yr
C	84.0	0.0020	17.52	0.168	0.736
×ON	100.0	0.0020	17.52	0.200	0.876
Md	7.6	0.0020	17.52	0.015	0.067
PM-10	7.6	0.0020	17.52	0.015	0.067
SO ₂	9.0	0.0020	17.52	0.001	0.005
VOC	5.5	0.0020	17.52	0.011	0.048
Lead	0.0005	0.0020	17.52	0.000001	0.000004

2. Maximum Heat Input:

2.0 mmBtu/hr

8,760 hr/yr

3. Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 8. Drying Oven/Flamer Emissions - P41

POLLUTANT	EMISSION	USAGE	GE	T0T	TOTAL
	FACTOR Ib/mmff ³	PTE/MTE	MTE mmff ³ /vr	PTE/	PTE/MTE
				= 20	lolly y
00	84.0	0.0006	5.26	0.050	0.221
NOx	100.0	0.0000	5.26	090.0	0.263
PM	9.7	0.0006	5.26	0.005	0.020
PM-10	7.6	0.0006	5.26	0.005	0.020
SO ₂	9.0	0.0006	5.26	0.000	0.002
VOC	5.5	0.0006	5.26	0.003	0.014
Lead	0.0005	9000'0	5.26	0.00000.0	0.000001
		and the second s			

8,760 hr/yr

0.6 mmBtu/hr

Maximum Heat Input:
 EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 9. Hot Water Heater Emissions - P42C

POLLUTANT	EMISSION FACTOR	USA PTE/	USAGE PTE/MTE	TOI PTE/	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr	nmft³/hr mmft³/yr	lb/hr	ton/yr
		(1	1	
00	84.0	0.0018	15.33	0.147	0.644
NOX	100.0	0.0018	15.33	0.175	0.767
MA	9.7	0.0018	15.33	0.013	0.058
PM-10	7.6	0.0018	15.33	0.013	0.058
SO ₂	9:0	0.0018	15.33	0.001	0.005
VOC	5.5	0.0018	15.33	0.010	0.042
Lead	0.0005	0.0018	15.33	0.000001	0.000004

8,760 hr/yr 1.75 mmBtu/hr

Maximum Heat Input:
 Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

TABLE 10. Plastic Drum Wipe Cleaning Emissions - P45 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

			A to the state of					
POLLUTANT	MATERIAL		USAGE	GE			TOTAL	
	CONTENT	PTE/MTE	PTE	ш	MTE	PTE/MTE	PTE	MTE
	leb/ql	gal/hr	gal/mo	gal/yr	gal/yr	lb/hr	ton/yr	ton/yr
			***************************************				***************************************	***************************************
VOC	0.42	3.75	650	7,800	32,850	1.58	1.64	6.90

4,160 hr/yr 8,760 hr/yr

2. Maximum Operating Hours: 8,76

3. P45 is included to allow for the use of other compliant solvents in addition to the currently used acetone.

This permit application uses potential VOC emissions calculated based on the misc. industrial solvent cleaning content restriction of 0.42 lb VOC/gal. In recent years, acetone was the only used solvent.

3276

TABLE 11a. Steel Drum De-Labeling Emissions - P71 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT	MATERIAL		USAGE	GE			TOTAL	
	CONTENT Ib/gal	PTE/MTE gal/hr	PTE gal/mo	E gal/yr	MTE gal/yr	PTE/MTE lb/hr	PTE ton/yr	MTE ton/yr
VOC	0	3.75	650	7,800	0	0.00	0.00	0.00

2. Maximum Operating Hours:3. P71 can only use actone.

8,760 hr/yr s: 8,760 hr/yr

12480

TABLE 11b. Label Stripping Emissions - P44 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT	MATERIAL		USAGE	GE T	i.	L L L	TOTAL	L.
	lb/gal	gal/hr	gal/mo	gal/yr	MIE gal/yr	Ib/hr	rie ton/yr	wie ton/yr
			***************************************	diversal three descriptions are a second to the second to				***************************************
VOC	1.52	3.00	140	1,680	26,280	4.56	1.28	19.97
Methylene Chloride	8.59	3.00	140	1,680	26,280	25.77	7.22	112.87
Methanol	121	3.00	140	1,680	26,280	3.64	1.02	15.93
Toluene	0.61	3.00	140	1,680	26,280	1.82	0.51	7.96
*								

2. Maximum Operating Hours:

4,160 hr/yr 8,760 hr/yr

TABLE 12. Acidizer Emissions - P75 CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT EMISSION SOLUTION	EMISSION	SOLUTION			USAGE			CONTROL	_	FOTAL HCI	
	FACTOR	FACTOR STRENGTH PTE/MTE	PTE/MTE		PTE		M M M	Щ Т.	PTE/MTE	PTE	MHE
	emis./		lb/hr	lb/mo	gal/yr	lb/yr	lb/yr	%		ton/yr	
	lb used	%									
IS I	1.0%	31.45%	14.90	5,167	9,538	62,000	130,558	%0	0.047	0.097	0.205

4,160 hr/yr 8,760 hr/yr

2. Maximum Operating Hol3. The control unit is C70.

4. The received hydrochloric acid is presented as and it says 20 degrees baume hydrochloric acid. The Baume relates density to temperature, so at 20 degrees, the density will be 145/145-20 = 1.16 gm/mL (i.e. 31.45% concentration).

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 13. Shot Blaster Emissions - P76

	EMISSION		USA	JSAGE		CONTROL		TOTAL	AL	
	FACTOR	FACTOR PTE/MTE	PTE	'n	MTE	Щ.	Ġ.,	PTE	E	MTE
	lb PM/drum	Ib PM/drum drums/hr drums/mo drums/yr drums/yr	drums/mo	drums/yr	drums/yr	%	lb/hr	ton/yr	lb/hr	ton/yr
PM	0.222	300	104,000	1,248,000	04,000 1,248,000 2,628,000	100%	THE PRINCIPAL PR			

4,160 hr/yr

2. Maximum Operating Hours:

8,760 hr/yr

3. The emission factor of 0.222 was based on P31's current permitted levels.

4. The control effficiency is assumed 100% due to venting indoors.

TABLE 14. Closed Drum Drying Oven Emissions - P50C CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT	EMISSION	USAGE	GE	TOTAL	.AL
	FACTOR lb/mmft³	PTE/MTE mmft³/hr	MTE mmft³/yr	PTE/MTE lb/hr	MTE ton/yr
					A de la company de la comp
03	84.0	9000.0	5.26	0.050	0.221
XON	100.0	0.0006	5.26	090'0	0.263
Md	9.7	0.0006	5.26	0.005	0.020
PM-10	7.6	0.0006	5.26	0.005	0.020
SO_2	9.0	0.0000	5.26	0.000	0.002
VOC	5.5	0.0006	5.26	0.003	0.014
Lead	0.0005	9000.0	5.26	0.000000	0.000001
•					

2. Maximum Heat Input (P50C alone - P50A and P50B are heated by Boiler B20):

3. Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

8,760 hr/yr

0.60 mmBtu/hr

TABLE 15. Overspray Filter/Painting Emissions - P32C CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015

POLLUTANT MATERIAL	MATERIAL				USAGE					TOTAL	
	CONTENT PTE/MTE	PTE/MTE		ā	PTE		Z	MTE	PTE/MTE	PTE	MA
	lb/gal	gal/hr	lb/mo	gal/mo	lb/yr	galfyr	lb/yr	gal/yr	lb/hr	ton/yr	ton/yr
***************************************				***************************************			Minimum Administration (Minimum Administration of the Administrati			Transaction in Comments of the	
VOC	3.5	11.60	38,400	3,200	460,800	38,400	1,219,392	101,616	40.60	67.20	177.83
Glycol Ethers	0.21	11.60	38,400	3,200	460,800	38,400	1,219,392	101,616	2.45	4.06	10.74

POLLUTANT MATERIAL CONTENT	MATERIAL CONTENT PTE/MTE	PTE/MTE	USAGE PTE	MTE	TRANS. CONTI EFFICIENCY	TRANS. CONTROL EFFICIENCY	щ	TOTAL PM PTE		MTE
	solids/gal gal/hr	gal/hr	gal/yr	galíyr	%	%	lb/hr	ton/yr	lb/hr	ton/yr
PM PM-10 PM-2 5	4.94	11.60	38,400	38,400	%09	%66	0.143	0.47 from permit	28.65	47.42
							Ś	20 55 50 50 50 50 50 50 50 50 50 50 50 50		

4,160 hr/yr 8,760 hr/yr

2. Maximum Operating Hours: 8,760 hr/

3. Includes painting process PP32C - Auto External Drum Spray Booth.

4. The control unit is C32C.

5. The highest value for solids content was used based on currently used paints.

6. The cleaning solvents for P32C can only be actone or other non-VOC solvents.

CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated February 2015 TABLE 16. Curing Oven Emissions - P32B

POLLUTANT	EMISSION	US/ PTE/	USAGE PTE/MTE	TOT PTE/	TOTAL PTE/MTE
	lb/mmft³	mmft³/hr	nmft³/hr mmft³/yr	lb/hr	ton/yr
1000		6	0	6	0
00	84.0	0.0026	22.78	0.218	768.0
NOx	100.0	0.0026	22.78	0.260	1.139
PM	7.6	0.0026	22.78	0.020	0.087
PM-10	7.6	0.0026	22.78	0.020	0.087
SO ₂	9.0	0.0026	22.78	0.002	0.007
VOC	5.5	0.0026	22.78	0.014	0.063
Lead	0.0005	0.0026	22.78	0.000001	0.000000

2. Maximum Heat Input (all units combined):

8,760 hr/yr 2.6 mmBtu/hr

3. Emission factor reference: U.S. EPA AP-42, Compilation of Air Pollutant Emission Factors, 5th Ed., Table 1.4-1 thru 3.

4. Includes combustion emissions from P32B - Internal Drum/Lid Lining Cure Oven.

TABLE 17. Stack Parameters CLCM / MASD / Kitzinger, Pennsylvania Ave. - Updated

			***************************************	***************************************	***************************************	***************************************	***************************************		***************************************	
Exhaust/ Process-	Process Name		Stack	Discharge	Inside Dimensions/ Stack Diameter	Exhaust/Stack Flow Rate	k Flow Rate	Exhaust Gas Temp.	Exhaust Gas Exhaust Gas Temp. Discharge	Obstruction
Control Unit			Lugino	neigat (a)	Circular (ft)	Normal (ACFM)	Maximum (ACFM)	(Degrees F)	Direction	(Nestud)
C10	New Wet Scrubber	200	17.75	4	i.	11 000	000 11	ç	-	*13
C70-P75	Acid Scrubber	- Steet and Poly	oiack	2	C.	000,74	000,14) S	d o	2
P44	Label Stripping		Fugitive	Fugitive				70		AND THE PARTY OF T
P12	Water Heater 4	Steel and Poly	Stack	25	0.67	350	350	550	ŝ	Yes (rainhat)
P13	Oil/Water Heater 3	Steel and Poly	Stack	25	0.67	350	350	550	đ	Yes (rainhat)
P14	Caustic Heater 2	Poly	Stack	25	1.00	900	900	675	ಕೆ	Yes (rainhat)
P15	Caustic Heater 1 and 2,000-Gallon Tank	Poly	Stack	25	29.0	350	350	550	đ	Yes (rainhat)
P41	Replacement Drying Oven	Poly	Stack	28	1.00	Natural	Natural	190	ಕ	No.
P42C	Drum Caustic Pre-Flush - Hot Water Heater	Poly	Stack	28	0.67	250	250	300	å	Yes (rainhat)
P45	Drum Wipe Cleaning	Poly	Fugitive	Fugitive			Andreas As Address of the Assessment of the Asse	0.2		
P71	De-Labeling (Steel Only)	Steel	Fugitive	Fugitive				0./		
P50C	Closed Drum Drying Oven	Steel	Stack	35	1.00	2,700	2,700	170	ď	No
C32C	Overspray Filters	Steel	Stack	35	2.17	15,000	15,000	150	ф	No
P32B	Curing Oven	Steel	Stack	35	1.33	1,640	1,640	350	5	Yes (rainhat)